

OCT 20 2003

Substitution for Form 1449/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)			<i>Complete if Known</i>		
			Applicati n Number	09/998,551	
			Filing Date	November 29, 2001	
			First Named Inventor	Bryce P. Nelson	
			Gr up Art Unit	1631	
Examiner Name	Unknown				
Sheet	1	of	1	Attorney Docket Number	09820.155

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			
<i>u</i>		6 579 726	B1	NATAN et al.	06-17-2003	
<i>u</i>		6 537 749	B2	KUIMELIS et al.	03-25-2003	
<i>M</i>		6 228 580	B1	BLUMENFELD et al.	05-08-2001	
<i>u</i>		6 060 237	A	NYGREN et al.	05-09-200	

FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T

Examiner Signature	<i>[Signature]</i>	Date Considered	12/10/03
--------------------	--------------------	-----------------	----------

Substitute for form 1449A/FTD

DEC 02 2002

**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 3

**Complete if Known**

Application Number 09/998,551

Filing Date November 29, 2001

First Named Inventor Bryce P. Nelson

Group Art Unit 1631

Examiner Name Unknown

Attorney Docket Number 09820.155

RECEIVED DEC 04 2002

TECH CENTER 1600/2900

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			
U		5,374,563	A	Maule	12-20-1994	
U		5,629,213	A	Kornguth et al.	05-13-1997	
U		6,127,129	A	Corn et al.	10-03-2000	

FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				
U		EPO	0 305 108	A2	Ohta et al.	03-01-1989		

Examiner Signature *[Signature]* Date Considered 12/10/03

Substitute for form 1449A/PTO		DEC 02 2002		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)		Applicati n Number	09/998,551		
		Filing Dat	November 29, 2001		
		First Named Inv ntor	Bryc P. Nelson		
		Group Art Unit	1631		
		Examiner Name	Unknown		
Sheet	2	of	3	Attorney Docket Number	09820.155

TECH CENTER 1600/2900

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T	
<i>Me</i>		AMANN et al. (1990) Fluorescent-Oligonucleotide Probing of Whole Cells for Determinative, Phylogenetic, and Environmental Studies in Microbiology, <i>J. Bacteriol.</i> 172:762-770		
<i>Me</i>		ANDERSON et al. (2000) Fabrication of Topologically Complex Three-Dimensional Microfluidic Systems in PDMS by Rapid Prototyping, <i>Anal. Chem.</i> 72:3158-3164		
<i>Me</i>		BROCKMAN et al. (1999) A Multistep Chemical Modification Procedure to Create DNA Arrays on Gold Surfaces for the Study of Protein - DNA Interactions with Surface Plasmon Resonance Imaging, <i>J. Am. Chem. Soc.</i> 121:8044-8051		
<i>Me</i>		BROCKMAN et al. (2000) Surface Plasmon Resonance Imaging Measurements of Ultrathin Organic Films, <i>Ann. Rev. Phys. Chem.</i> 51:41:63		
<i>Me</i>		DUFFY et al. (1998) Rapid Prototyping of Microfluidic Systems in Poly(dimethylsiloxane) <i>Anal. Chem.</i> 70:4974-4984		
<i>Me</i>		EFFENHAUSER et al. (1997) Integrated Capillary Electrophoresis on Flexible Silicone Microdevices: Analysis of DNA Restriction Fragments and Detection of Single DNA Molecules on Microchips, <i>Anal. Chem.</i> 69:3451-3457		
<i>Me</i>		FODOR (1997) <i>Science</i> 277:393-395		
<i>Me</i>		FRUTOS et al. (1997) Demonstration of a word design strategy for DNA computing on surfaces, <i>Nucleic Acids Res.</i> 25:4748-4757		
<i>Me</i>		FRUTOS et al (1998) Enzymatic Ligation Reactions of DNA "Words" on Surfaces for DNA Computing, <i>J. Am. Chem. Soc.</i> 120:10277-10282		
<i>Me</i>		FRUTOS et al. (1998) SPR of Ultrathin Organic Films, <i>Anal. Chem.</i> 70:449A-455A		
<i>Me</i>		FRUTOS et al. (2000) Reversible Protection and Reactive Patterning of Amine-and Hydroxyl-Terminated Self-Assembled Monolayers on Gold Surfaces for the Fabrication of Biopolymer Arrays, <i>Langmuir</i> 16:2192-2197		
<i>Me</i>		HICKEL et al. (1989) Surface-plasmon microscopy, <i>Nature</i> 339:186		
		<del>JO et al. (2000) Three-Dimensional Micro-Channel Fabrication in Polydimethylsiloxane (PDMS) Elastomer, <i>Microelectrochemical Systems</i> 9:76-81</del>		
<i>Me</i>		JORDAN et al. (1997) Surface Plasmon Resonance Imaging Measurements of DNA Hybridization Adsorption and Streptavidin/DNA Multilayer Formation at Chemically Modified Gold Surfaces, <i>Anal. Chem.</i> 69:4939-4947		

<i>Me</i>	JORDAN et al. (1997) <i>Anal. Chem.</i> 69(7):1449-1456	
<i>Me</i>	LOCKHART, et al. (1996) Expression monitoring by hybridization to high-density oligonucleotide arrays, <i>Nature Biotechnology</i> 14:1675-1680	
<i>Me</i>	NELSON et al. (1999) Near-Infrared Surface Plasmon Resonance Measurements of Ultrathin Films. 1. Angle Shift and SPR Imaging Experiments, <i>Anal. Chem.</i> 71:3928-3934	
<i>Me</i>	NELSON et al. (2001) Surface Plasmon Resonance Imaging Measurements of DNA and RNA Hybridization Adsorption onto DNA Microarrays, <i>Anal. Chem.</i> 73:1-7	
<i>Me</i>	PEASE et al. (1994) Light-generated oligonucleotide arrays for rapid DNA sequence analysis, <i>Proc. Natl. Acad. Sci. USA</i> 91:5022-5026	
<i>Me</i>	ROTHENHÄUSLER & KNOLL (1988) Surface-Plasmon microscopy, <i>Nature</i> 332:615-617	
<i>Me</i>	SILIN & PLANT (1997) Biotechnological applications of surface plasmon resonance, <i>Trends in Biotechnol.</i> 15	
<i>Me</i>	STROTHER et al. (2000a) Covalent attachment of oligodeoxyribonucleotides to amine-modified Si (001) surfaces, <i>Nucleic Acids Research</i> 28:3535-3541	
<del><i>Me</i></del>	<del>STROTHER et al. (2000b) Synthesis and Characterization of DNA-Modified Silicon (111) Surfaces, <i>J. Am. Chem. Soc.</i> 122:1205-1209</del>	
<i>Me</i>	TARLOV et al. (1993) UV Photopatterning of Alkanethiolate Monolayers Self-Assembled on Gold and Silver, <i>J. Am. Chem. Soc.</i> 115:5305-5306	
<i>Me</i>	THIEL et al. (1997) In Situ Surface Plasmon Resonance Imaging Detection of DNA Hybridization to Oligonucleotide Arrays on Gold Surfaces, <i>Anal. Chem.</i> 69:4948-4956	
<i>Me</i>	THOMAS et al. (1995) Probing Adhesion Forces at the Molecular Scale, <i>J. Am. Chem. Soc.</i> 117:3830-3834	
<i>Me</i>	WINZELER et al. (1998) Direct Allelic Variation Scanning of the Yeast Genome, <i>Science</i> 281:1194-1197	

Examiner Signature	<i>Der Li</i>	Date Considered	12/10/02
--------------------	---------------	-----------------	----------



RECEIVED  
DEC 04 2002  
TECH CENTER 1600/2900